

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P285871

Luminaire Tested: **USSL-XL-C049-D-U-T5-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-11)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-XL-C049-D-U-T5-BZ
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35453.6 lumens
Efficiency: N/A
Efficacy: 163.4 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

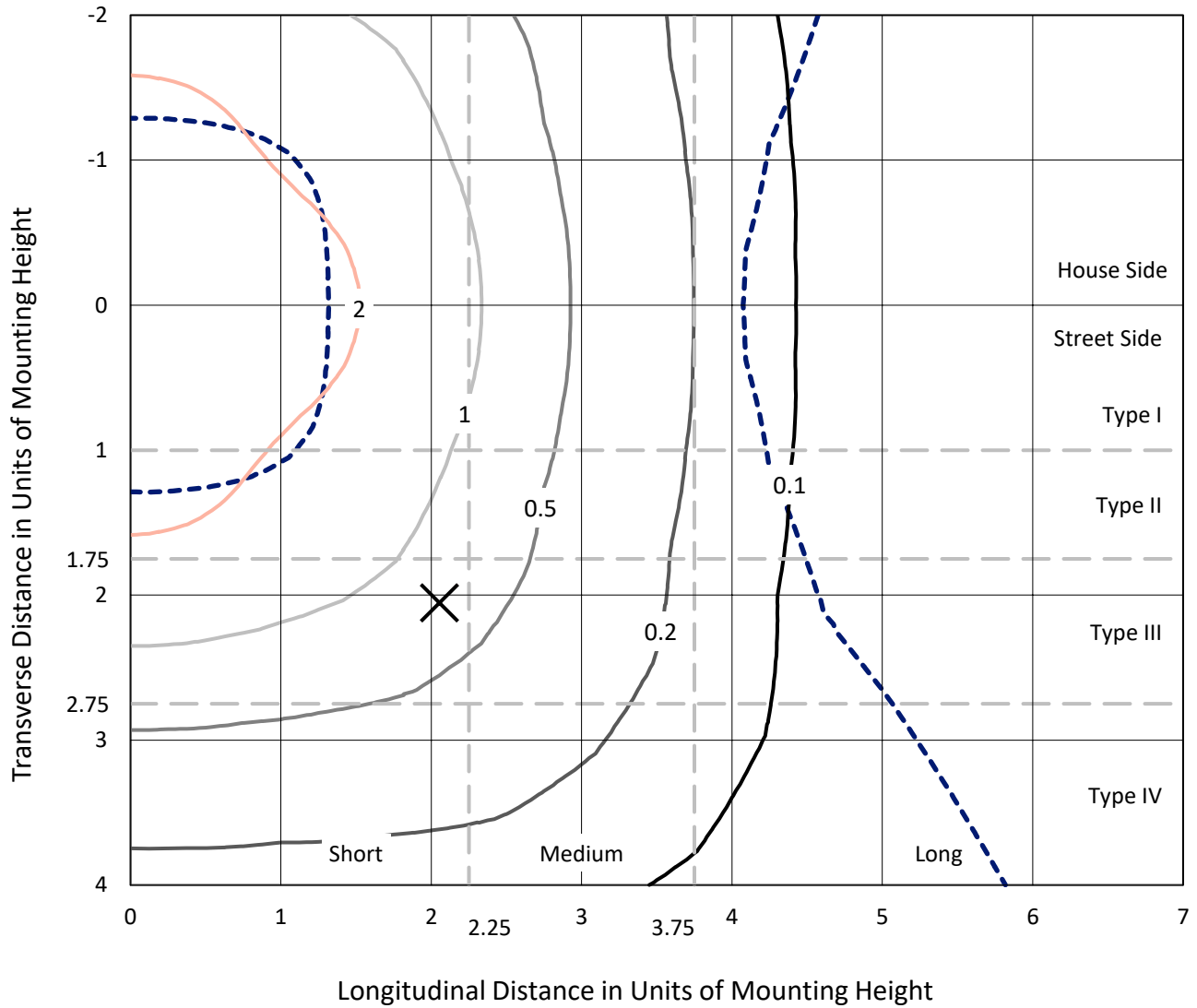
Input Watts (W): 217
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

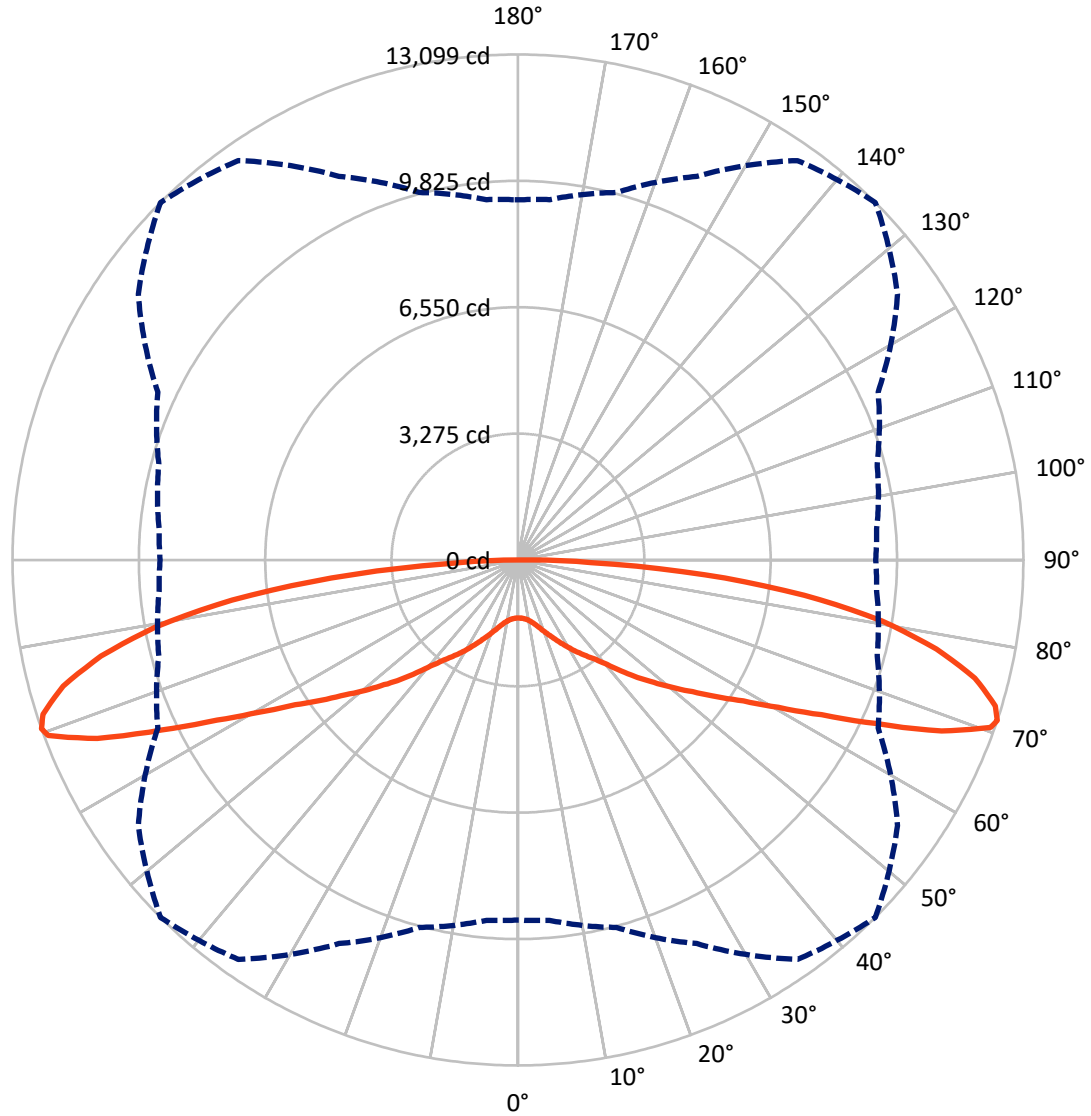
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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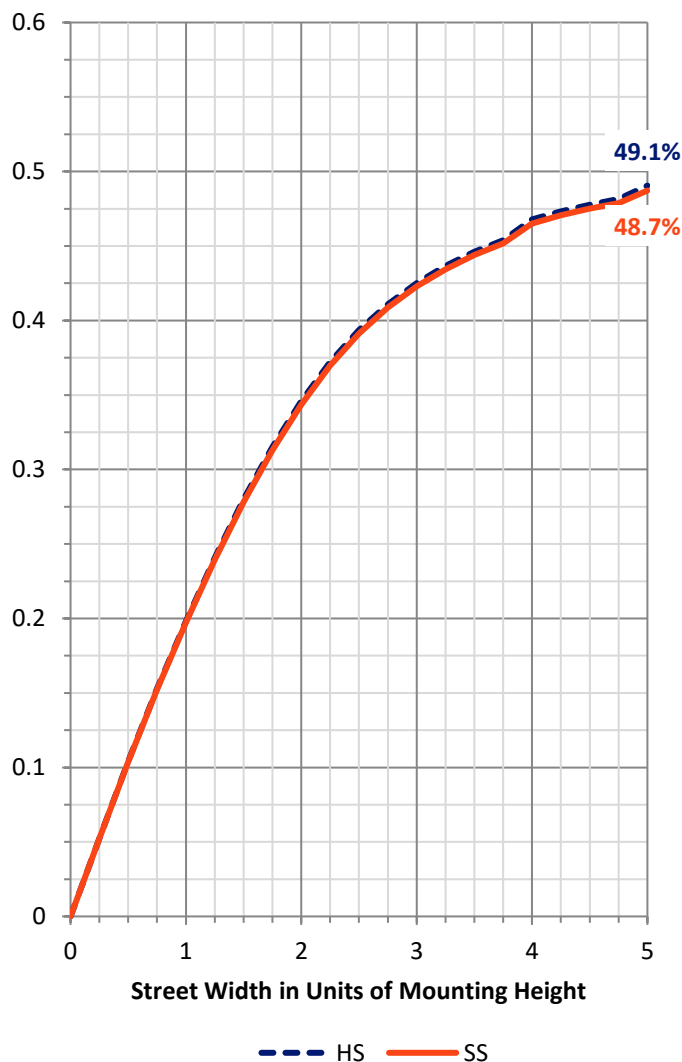
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17726.8	0.0	17726.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17726.8	0.0	17726.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	35453.6	0.0	35453.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	0.4
10°-20°	495.9	1.4
20°-30°	1043.0	2.9
30°-40°	1920.9	5.4
40°-50°	3526.8	9.9
50°-60°	6146.9	17.3
60°-70°	9933.2	28.0
70°-80°	9571.3	27.0
80°-90°	2668.5	7.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	35453.6	100.0
0°-180°	35453.6	100.0

Coefficient of Utilization



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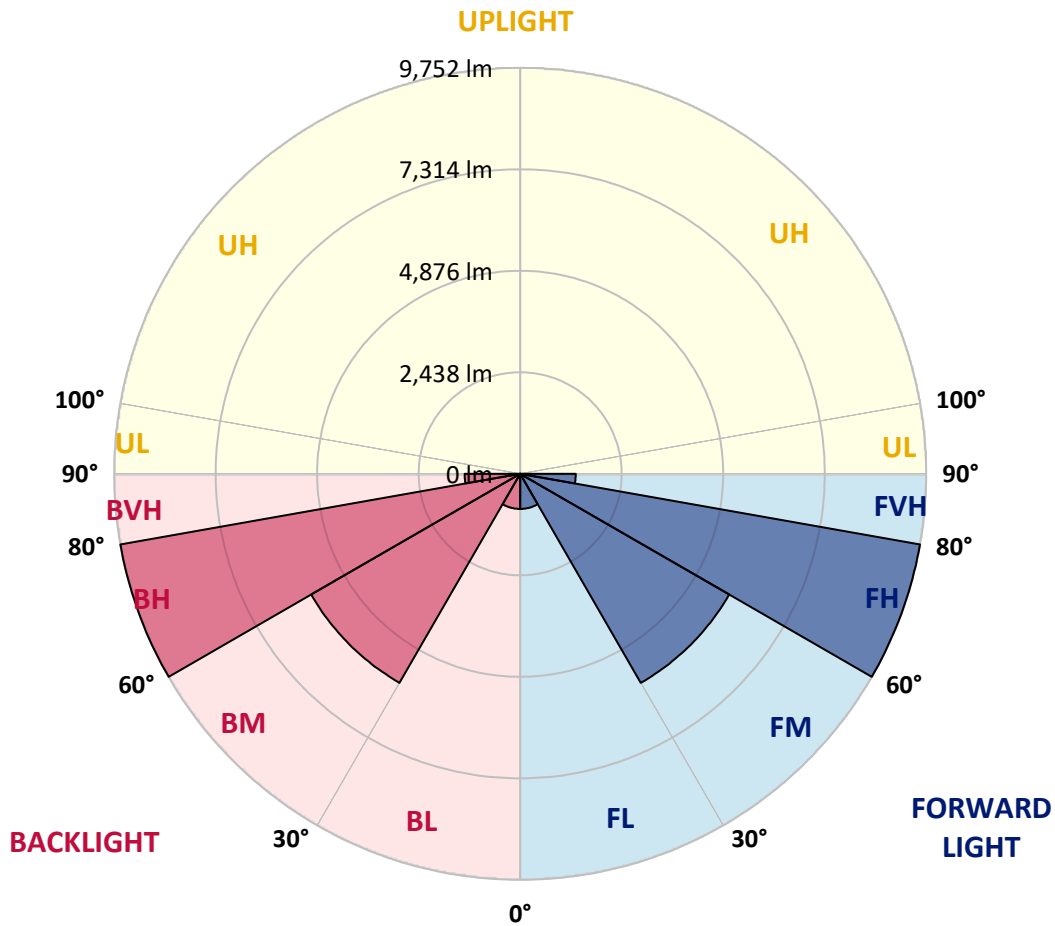
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	843.0	2.4			
FM (30°-60°)	5797.3	16.4			
FH (60°-80°)	9752.3	27.5			G4/12000
FVH (80°-90°)	1334.2	3.8			G5
BL (0°-30°)	843.0	2.4	B2/1000		
BM (30°-60°)	5797.3	16.4	B4/8500		
BH (60°-80°)	9752.3	27.5	B5		G4/12000
BVH (80°-90°)	1334.2	3.8			G5
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9
2.5°	1506.2	1513.7	1509.9	1507.5	1508.7	1507.5	1505.0	1502.4	1499.9	1498.6	1498.6
5°	1517.6	1522.5	1521.3	1520.0	1521.3	1523.8	1522.5	1521.3	1517.6	1515.0	1515.0
7.5°	1545.2	1546.5	1547.8	1546.5	1546.5	1550.3	1547.8	1546.5	1539.0	1537.7	1535.2
10°	1588.2	1586.9	1590.6	1591.9	1591.9	1594.4	1586.9	1581.8	1567.9	1566.6	1564.2
12.5°	1638.5	1638.5	1643.6	1649.8	1654.9	1659.9	1646.1	1634.8	1615.8	1608.3	1609.6
15°	1707.8	1706.5	1712.9	1726.8	1740.6	1750.7	1730.5	1711.6	1686.4	1676.3	1678.9
17.5°	1798.7	1797.4	1807.4	1823.8	1846.5	1861.6	1833.8	1806.2	1783.5	1770.9	1770.9
20°	1909.5	1910.8	1918.3	1939.7	1968.8	1987.6	1952.3	1915.8	1899.4	1888.1	1885.6
22.5°	2039.4	2049.4	2045.6	2070.8	2109.9	2131.4	2089.8	2049.4	2034.3	2026.7	2024.2
25°	2193.1	2203.2	2193.1	2218.3	2267.4	2288.9	2246.0	2201.9	2194.4	2189.3	2186.8
27.5°	2364.5	2365.8	2363.3	2377.1	2443.9	2465.3	2408.6	2369.5	2373.3	2370.8	2367.1
30°	2551.1	2549.8	2547.3	2543.5	2627.9	2654.4	2591.3	2559.9	2572.5	2565.0	2565.0
32.5°	2759.0	2755.2	2741.4	2750.2	2800.6	2852.3	2777.9	2759.0	2795.6	2790.5	2795.6
35°	2987.1	2986.0	2959.5	2968.2	3003.5	3050.2	2993.5	2984.7	3040.1	3052.7	3060.2
37.5°	3246.8	3248.1	3211.5	3206.5	3235.5	3269.5	3248.1	3270.7	3352.7	3395.5	3384.2
40°	3583.3	3578.3	3529.1	3488.8	3519.1	3563.2	3585.9	3648.9	3774.9	3839.2	3845.5
42.5°	4038.3	4025.7	3969.0	3890.9	3906.0	3935.0	4003.0	4112.7	4264.0	4324.5	4306.8
45°	4577.8	4555.1	4471.9	4382.5	4334.6	4344.6	4408.9	4545.1	4726.5	4807.2	4821.1
47.5°	5187.8	5161.4	5036.5	4867.7	4751.7	4739.1	4803.4	4986.2	5206.8	5305.0	5300.0
50°	5874.7	5842.0	5709.7	5450.0	5234.4	5198.0	5242.1	5468.9	5727.3	5859.7	5852.0
52.5°	6624.7	6578.1	6433.1	6097.8	5811.7	5669.3	5733.6	6005.8	6269.3	6439.4	6445.7
55°	7388.5	7378.4	7191.8	6854.1	6463.4	6252.9	6297.0	6589.4	6914.6	7087.2	7079.7
57.5°	8158.6	8132.2	7984.7	7630.5	7239.8	6888.1	6936.0	7256.2	7588.9	7770.4	7764.1
60°	8911.1	8874.5	8759.9	8495.1	8166.2	7759.1	7728.8	8035.1	8327.5	8496.4	8481.3
62.5°	9692.5	9691.3	9598.0	9391.2	9216.0	8835.4	8688.0	8900.9	9159.3	9318.2	9309.3
65°	10393.3	10398.4	10411.0	10417.2	10434.9	10233.2	9901.8	9872.8	10064.4	10158.8	10132.4
67.5°	10405.9	10452.5	10673.1	11128.1	11757.0	11837.7	11189.9	10597.5	10378.2	10264.7	10250.9
70°	9715.3	9772.0	10192.8	11119.3	12549.9	12996.1	11914.7	10489.1	9942.1	9653.5	9598.0
71°	9332.0	9373.6	9858.9	10969.3	12635.6	13099.4	12009.1	10298.7	9637.0	9334.5	9271.6
72.5°	8652.7	8690.5	9308.0	10569.7	12515.8	12941.8	11915.9	9933.3	9098.8	8728.3	8656.4
75°	7326.8	7426.3	8028.7	9592.9	11803.7	12234.7	11280.6	8964.0	7921.7	7377.1	7324.2
77.5°	5457.5	5630.2	6361.3	8094.4	10515.6	11087.8	10104.7	7543.5	6334.8	5736.1	5670.6
80°	3081.7	3256.9	4257.6	6136.9	8811.5	9562.7	8391.8	5724.7	4502.1	3742.2	3659.0
82.5°	1140.7	1104.1	2045.6	3864.4	6562.9	7478.0	6141.9	3732.0	2477.9	1717.9	1665.0
85°	252.0	378.2	902.4	1947.4	4141.7	4856.4	3623.7	1881.7	960.5	495.3	462.5
87.5°	69.3	123.5	310.0	816.8	1668.8	1891.9	1366.3	510.4	153.8	60.5	60.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)